High Performance Fiber Optic Cables for the FTTH Access Network

Europe, Middle East and Africa regions

May 2025

COMMSCOPE®

Fiber cables from your fiber connectivity partners at CommScope

Today's ultra-competitive business environment means that regional providers must be agile, innovative, and relentlessly price competitive. With almost 40 years of experience manufacturing fiber connectivity that runs the highest-performing networks worldwide, CommScope is now offering an expanded fiber cables portfolio. To meet increasing needs for connectivity, we have invested in additional European capacity, bringing the most advanced manufacturing techniques to satisfy Europe, Middle East and Africa's demands for FTTH and 5G growth.

CommScope fiber optic cables – made in Europe, for Europe for lowest Carbon footprint

No matter which application you're deploying – buried, aerial or blown-in-duct, our loose tube, blowable microduct, and microsheath cables are tested to meet the demanding requirements of European standards and construction. Made from high-performance, standards-compliant materials, CommScope fiber cables deliver the superior mechanical and optical performance your network needs. CommScope produces these cables in Europe for Europe to the highest sustainability targets and with the lowest carbon footprint.

How do you deploy fast networks? Leverage a trusted partner. Get what you need, when you need it with CommScope

To ensure network operators get the equipment and expertise they need, when and where they need it, CommScope Professional Services has the capability to assist with any aspect of your deployment. For example, we know that regional providers are sometimes impacted by shortages of skilled labor, and we're here to help. We're committed to forging strong partnerships with our customers. For us, delivering equipment is only the first step – it's only when our customers successfully deploy their network that we feel we've succeeded.

CommScope fiber optic cables – a perfect marriage with CommScope's connectivity products

CommScope fiber optic cables and connectivity products are developed to work seamless together in your next level future access network. For more info on our connectivity products please go to visit us.

You need a high-performing network. Our fiber cables can help you get there.

- Made from high-performance, standards-compliant materials, for superior mechanical and optical performance.
- Outdoor cables for a wide range of application: Stranded and Central Loose Tube cables, Air Blown Fiber Cables, All-Dielectric Self-Supporting Cables. Many of those can be as well dielectric, glass reinforced and corrugated steel strengthened. Dry or gel filled tubes.
- Indoor and indoor/outdoor cables with LSZH jackets, compliant with EU CPR requirements.
- Outdoor, Indoor/Outdoor and Outdoor drop cables selected as a function of local network design and regulations, some of which can be factory pre-connectorized upon request to reduce time to connect new customers.

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Cable Overview

Cable Network Use Diagram

Click on the pictures to jump to that cable

Outdoor		
Outdoor – Stranded Loose Tube		
1A: Stranded Loose Tube	1B: Air Blown Mini Cable	1C: Aerial – ADSS
Outdoor – Central Loose Tube		
1D: Central Tube	1E: Air Blown Micro Cable	1F: Retractable and Ribbon

Indoor/outdoor
2A: Stranded Loose Tube
2B: Central Loose Tube
2C: Distribution

3: Indoor		
Distribution Cable (900µ)	MP Cable (250µ)	Microsheath

4: Drop		
Outdoor	Indoor/Outdoor	Indoor

Description Key

CommScope's cable descriptions allow customers to understand the major part of the cable construction with the help of the below key. This will be used throughout the rest of the document.

Cable family	
O	Outdoor Arid Core Gel-Filled Tubes
D	Outdoor Arid Core Gel-Free Tubes
B	Micro Cable for Air-Blown Installation
M	Messenger Self-Support
S	ADSS
C	In/Out Zero Halogen, CPR-only flame rated
Z	In/Out Zero Halogen, Dual listed
L	Indoor Zero Halogen, CPR-only flame rated
N	Indoor Zero Halogen, Dual listed

Fiber count	
001-999	This field specifies the total fiber count in the cable. A value of "002" means 2 fiber strands, "048" means 48 fiber strands. Valid fiber counts are: 002, 004, 006, 008, 012, 024, 036, 048, 72, 96 144, 288.

Cable construction	
LN	Stranded Loose Tube All-Dielectric
LA	Stranded Loose Tube CST Armored
CN	Central Tube All-Dielectric
CA	Central Tube Armored
DN	Drop Dielectric
RD	Retractable Dielectric
MP	Loose-tube Cordage
DS	Distribution Cable

Fiber type	
8W	G.652.D / G.657.A1
8F	G.657.A1
8G	G.657.A2
8G2	G.657.B3
RB	Matrix Flat Ribbon
RR	Rollable Ribbon

Unit of measure	
M	Marked in meters
F	Marked in Feet
X	Special print

Subunit Fiber Count	
01-24	"01" means 1 fiber per sub unit (tube).

CPR Rating	
B	Bca rated cable
C	Cca rated cable
D	Dca rated cabe
E	Eca rated cable

Special Cable Construction	
HTS	High Tensile Strength
GY	Glass Yarn Strength Elements
AY	Aramid Yarns Strength Elements
GRPA	GRP Rod Dielctric Armored
NR	No Ripcord

Specialty Material jackets	
AJ	Alternative Jacket (Rodent Resistant)
HD	High Density Polyethylene
PA	Nylon Jacket

Tube Size & Type	
14G	1.4mm Gel-Filled / B-LN cable 250µ
14G 200	1.4mm Gel-Filled / B-LN cable 200µ
15G	1.5 mm Gel-Filled / B-LN cable 250µ
17T200	1.7 mm Gel-filled / B-LN cable 200µ
14D	1.4 mm Gel-Free Microsheath cable
25D	2.50 mm Gel-Free
20G	2.00 mm Gel-Filled
25G	2.50 mm Gel-Filled / SLT & Central Tube
40T	4.00 mm Gel-Filled / Central Tube & Drop
60T	6.0 mm Gel-filled / Central Tube & Drop

Tracer Color or Jacket Color			
NS	No Stripe	WH	White
3G	3 Green Stripes	RD	Red
BL	Blue	BK	Black
OR	Orange	YL	Yellow
GR	Green	VI	Violet
BR	Brown	RS	Rose
SL	Slate	AQ	Aqua

Different Fiber Types

CommScope supports several fiber types depending on the specific application. The list below includes popular single mode fibers along with the suggested application.

CommScope Designation	Fiber Grade	SM - MFD @1310nm	Advantages	Suggested Application
8W	G.652.D / G.657.A1	9.2µm +/- 0.4µm	Most widely used fiber globally, designed to have zero dispersion, operates at 1310nm and 1550nm. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder
8W1	G.652.D / G.657.A1 TC	9.2µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
8F	G.657.A1	8.6µm +/-0.4µm	Offers optimised bend properties and suited for the LAN networks. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder
8F1	G.657.A1 TC	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Trunk/Feeder
8G	G.657.A2	8.6µm +/- 0.4µm	Higher bend resistance for smaller jointing pits and utilized in advanced cable network installations, Compatible with G.652.D. Cladding diameter 125.0 ± 0.7 µm	Trunk/Feeder/Drop/ Distribution
8G1	G.657.A2 TC	8.6µm +/- 0.4µm	Connector grade (same as above). Cladding diameter 125.0 ± 0.3 µm	Drop/Distribution
8G2	G.657.B3	8.7µm +/- 0.4µm	Exceptional bend performance. Fully compatible with G.652.D. Cladding diameter 125.0 ± 0.3 µm	Drop

Attenuation versus Bend Radius

Minimum bend diameter (mm) for 1 turn resulting in 0.1 dB increase in attenuation due to macrobending at 1625 nm

Minimum bend diameter (mm) for 1 turn resulting in 0.5 dB increase in attenuation due to macrobending at 1625 nm

Drop Cables

Fiber drop cables are typically used between the fiber terminal and the building or home. A range of cable types are available for various indoor, indoor/outdoor or outdoor applications. Fiber drop cables constructions are available with either central or multi loose tube, depending on fiber count.

The portfolio also contains dual jacket cables with an easy strippable outdoor jacket extruded over a CPR rated indoor jacket. Jackets can be supported in black, white or grey awhich may suit local requirements. The drop cables are available in various pre-connectorized lengths, providing ease of connectivity with other CommScope products. Please click on the link below for more information.

CONNECTORIZED DROP CABLES BROCHURE

Drop cables – constructions for outdoor applications

	Outdoor Non-Armored, Gel Filled, Drop Cable	Outdoor Non-Armoured, Dry Drop Cable		Dual Jacket Outdoor Drop Cable
Outdoor	O-00x-CN-8F-M06BK/28G/HD	D-00x-DN-8G-M01BK/AY	C-00x-DN-8G-M01BK/09/AY/C	D-00x-DD-8G-M02BK/AY/24/xx/D

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
Outdoor Non-Armored, gel filled, drop cable									
810009829/DB	O-002-CN-8W-M02BK/28G/HD	2 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK
810009930/DB	O-002-CN-8W-M02OR/28G/GY/AY	2 / G652D / G657A1 Round	5	2.8	250µ	Gel	None	Glass & Aramid	OR
810009998/DB	O-006-CN-8W-M06BK/28G/HD	6 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK
810009999/DB	O-008-CN-8W-M08BK/28G/HD	8 / G652D / G657A1 Round	5.3	2.8	250µ	Gel	None	Glass Yarns	BK

O-00x-CN-8F-M06BK/28G/HD

Drop cables – constructions for outdoor applications

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
Outdoor Non-Armoured, Dry drop cable									
810010475/DB	D-001-DN-8G-M01BK/AY	1 / G657.A2 / Round	5	0.9	250µ	Dry	None	Aramid & 2x GRP	BK
810010476/DB	D-004-DN-8G-M04BK/AY	4 / G657.A2 / Round	5	1.1	250µ	Dry	None	Aramid & 2x GRP	BK
810010477/DB	D-012-DN-8G-M12BK/AY	12 / G657.A2 / Round	5	1.45	250µ	Dry	None	Aramid & 2x GRP	BK
810010478/DB	C-001-DN-8G-M01BK/09/AY/C	1 / G657.A2 / Round	3	0.9	900µ	Dry	Cca,s1a,d0,a2	Aramid	BK
810010479/DB	C-001-DN-8G-M01WH/09/AY/C	1 / G657.A2 / Round	3	0.9	900µ	Dry	Cca,s1a,d0,a2	Aramid	WH
810010480/DB	C-001-DN-8G-M01BR/09/AY/C	1 / G657.A2 / Round	3	0.9	900µ	Dry	Cca,s1a,d0,a2	Aramid	BR

D-00x-DN-8G-M01BK/AY

C-001-DN-8G-M01xx/09/AY/C

Both cable types available in a cardboard reel-in-a-box packing solution

BACK to... Overview Outdoor Drop Cables (table diagram)

Drop cables – constructions for indoor/outdoor applications

Two families of indoor/outdoor drop cables are available:

The first family consists of a series of dual jacket drop cables with an easy strippable HDPE outer jacket and an inner LSZH subunit, used solely indoors. The second family consist of LSZH outer jacket construction that have been specifically developed to provide connectivity from the distribution point to the wall-outlet in the house.

Part Number	Description	Technical aspects							
		Fiber Count/Fiber type/Shape style	Outer Tube	Inner jacket	Buffer	Tube water blocking	CPR Rating	Reinforcement	Jacket Color
Dual Jacket Outdoor Drop Cable									
810009819/DB	D-001-DD-8G-M01BK/GY/20/AY/C	1 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner cable: Cca, s1a,d0, a1"	Glass & Aramid Yarns & 2 X GRP	BK
810009820/DB	D-002-DD-8G-M02BK/GY/20/AY/D	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Dca"	Glass & Aramid Yarns & 2 X GRP	BK
810010000/DB	D-004-DD-8F-M04BK/GY/20/AY/D-DE00	4 / G657.A1 / Dual Jacket, Round	5.0	2.0	900µ	Get	"Inner Cable: Dca, s1a, d0, a1"	Glass & Aramid Yarns & 2 X GRP	BK
810010313/DB	D-001-DD-8G-M02BK/AY/24/AY/D-1000-FR00	1 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Cca,s1a,d0,a1"	Aramid Yarns & 2 X GRP	BK
810010173/DB	D-002-DD-8G-M02BK/AY/24/AY/D-0500-FR00	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable : Cca,s1a,d0,a1"	Aramid Yarns & 2 X GRP	BK
810010174/DB	D-002-DD-8G-M02BK/AY/24/AY/D-1000-FR00	2 / G657.A2 / Dual Jacket, Round	5.0	2.0	900µ	Dry	"Inner Cable: Dca, s1a, d0, a1"	Aramid Yarns & 2 X GRP	BK

D-00x-DD-8G-M02BK/AY/24/xx/D

	3.0 and 3.4 mm Drop Cables with 2000N Breaking Strength	5.05 mm Standard I/O Drop Cable	4.5 mm Standard I/O Drop Cable	Gas Blocked I/O Drop Cable
Indoor / Outdoor				

Cable types are available in a cardboard reel-in-a-box packing solution

Drop cables – constructions for indoor/outdoor applications

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
3.0 and 3.4 mm drop cables with 2000N breaking strength									
810010113/DB	C-001-DN-8G1-M01BK/30D/D-UK00	1 / G657.A2 / Round	3	0.9	900µ	Dry	Dca, s1a, d0, a1	Aramid Yarns	BK
810010114/DB	C-001-DN-8G1-M01BK/34D/D-UK00	1 / G657.A2 / Round	3.4	0.9	900µ	Dry	Dca, s1a, d1, a2	Aramid Yarns	BK

5.05 mm Standard I/O Drop Cable									
760253044	C-001-DN-8G-M01BK/20G/V7/D	1 / G657.A2 / Round	5	2	700µ	Gel	Dca, s2, d1, a1	Glass & Aramid Yarns	BK
810009884/DB	C-001-DN-8G-M01BK/20G/V6/D	1 / G657.A2 / Round	5	2	900µ	Gel	Dca, s1, d0, a1	Glass & Aramid Yarns	BK

4.5 mm Standard I/O Drop Cable									
810009825/DB	C-001-DN-8G-M01BK/15G/V6/D	1 / G657.A2 / Round	4.5	1.5	250µ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	BK
810009826/DB	C-001-DN-8G-M01WH/15G/V6/D	1 / G657.A2 / Round	4.5	1.5	250µ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	WH
810010141/DB	C-002-DN-8G-M02BK/15G/V6/D	2 / G657.A2 / Round	4.5	1.5	250µ	Gel	Dca, s1a, d1, a1	Glass & Aramid Yarns	BK

Gas Blocked I/O Drop Cable									
810009828/DB	C-001-DN-8G2-M01BK/AY/SP30/C	1 / G657.A2 / Dual, Round	5	3	900µ	Dry	"Cca, s1a,d0,a1 (inner only)"	Aramid Yarns	BK

BACK to... Overview Indoor/Outdoor Drop Cables (table diagram)

Drop Cable – constructions for Indoor applications

Several types of indoor drop cables are available with CPR ratings going from Dca to B2ca depending the customer specific requirements.

	Indoor drop 2X900µ	3.0 mm Indoor drop cable
Indoor		

Part Number	Description	Technical aspects							
		Fiber Count/Fiber Type/Shape Style	Outer Tube	Inner jacket	Buffer	Tube Water Blocking	CPR Rating	Reinforcement	Jacket Color
Indoor drop 2X900µ									
2160164-1	L-002-DN-8F-M01WH/AY/D	2 / G657.A1 / Round	4.0	0.9	900µ	Dry	Dca, s1a, d0, a1	Aramid Yarns	WT
810009885/DB	L-002-DN-8G-M01YL/AY/DU09/D	2 / G657.A2 / Round	4.0	0.9	900µ	Dry	Dca, s1a, d0, a1	Aramid Yarns	YL

3.0 mm Indoor drop cable									
760243614	N-001-MN-8G-M-01-IV/B2	1 / G657.A2 / Round	3	0.9	900µ	Dry	B2ca, S1a, d0, a2	Aramid Yarns	IV

Outdoor Cable

STRANDED LOOSE TUBE CABLES

Stranded loose tube fiber cables are the prominent cables of the industry. They are preferred for short and long-haul backbone applications and can be direct buried, installed in duct or aerial lashed. Stranding individual buffer tubes around a central strength member provides a cable without preferential bend. It simplifies midspan entries and enables more efficient preparation for building it into closures.

MINI CABLES FOR AIR-BLOWN MICRODUCT APPLICATION

CommScope's family of cost-effective fiber-optic mini cables is designed for air-blown installations into microducts. Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand by deploying fiber as needed. This technology is also common in congested areas such as metro applications, where duct space is very limited. These stranded loose tube cables are compact, lightweight and have high density. Microsheath versions of these cables are available allowing easy stripping of the tubes.

AERIAL CABLE – ADSS

All-Dielectric Self-Supporting (ADSS) is a loose tube non-metallic fiber optic cable that is designed to be installed without the assistance of a metal strand or catenary wire. An ADSS cable uses aramid yarn and a high tensile central strength member for support. ADSS cable attaches directly to the pole or tower with the use of special attachment hardware.

Outdoor Cable

CENTRAL TUBE CABLES

With all fibers inside a single central tube, these cables are preferred when fiber counts are low and are often used for branching applications or at the end of distribution runs. The cable has a smaller overall dimension and ensures a more efficient use of conduit space than typical stranded loose tube.

1D

MICRO CABLES FOR AIR-BLOWN MICRODUCT APPLICATION

The family of fiber-optic micro cables is designed for air-blown installations into microducts which are commonly used for drop applications. This technology allows for the blowing of drop cable to customer premises on demand. The fibers in this cable are protected by a central tube which allows the cables to be small and compact but also robust in combination with the duct.

In order to be 100% tuned for optimal blowing performance into the popular ducts 4/7 and 6/10 two dimensions with the same fiber count range from 2f to 24f were developed. One family, with outer dimeter 2.5 mm (24f has OD 2.8mm) and one family with outer diameter 3.9mm are available, allowing perfect filling ratios for blowing in the ducts.

1E

RIBBON CABLE

CommScope supports both matrix and rollable ribbon type constructions in the fiber cable portfolio.

Matrix ribbon fiber cables provides a high level of flexibility, cost savings and is suitable for high density applications such as central office, data centers and hyperscaledata centers. The small diameter high fiber count construction enables mass fusion splicing and, as a result, reduces time on site and installation costs.

Rollable ribbon cables provide double the density of standard matrix ribbon cables. Much higher fiber counts can be used in existing ducts along with greater flexibility for use in central offices and enclosures. Mass fusion splicing is still possible, the cable can easily be de-ribbonised if required. Data center, central office, overhead or underfloor pathways are less congested, avoiding or postponing expensive pathway additions.

1F

RETRACTABLE CABLES

The horizontal retractable cable is typically used in conjunction with the whole Façade Solution. Once the cable has been installed, small sections of the jacket can be easily removed, without damaging or breaking the embedded strength members in order to access the 750 µm loose strip buffers. Click below for more information on this solution.

FAÇADE CABLE SOLUTION

1F

Outdoor Cable – Stranded Loose Tube

ORDERING INFORMATION

Stranded loose tube fiber cables are designed for applications such as direct buried, aerial, or conduit. The loose tube fiber cables are made with high performance materials able to withstand the harsh outside plant environments.

Available in dry core gel-filled or gel-free constructions, the cables have color-coded buffer tubes and can be armored and double jacketed for further protection. The standard jacket material is polyethelene, which provides a rugged, durable finish.

The Non-Armored cable is all-dielectric and contains no metallic components, hence bonding or grounding is not required.

Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand. The ADSS cables are gel filled, non armoured and have been specifically designed for self supporting applications.
For increased strength and enhanced rodent resistance in harsh environments high tensile strength cables are offered.

Overview Outdoor Stranded Loose Tube

	Armored	Non-armored
Gel Filled	**O-LA:** Gel-filled, CST armored	**O-LN:** Gel-filled, dielectric, non-armored
	Special constructions	Special constructions
		B-LN: Air blown Mini Cable for Microduct
		S-LN: ADSS
		O-LN/HTS: High Tensile Strength
Dry	**D-LA:** Dry, CST armored	**D-LN:** Dry, dielectric, non-armored

Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
Outdoor Stranded Loose Tube, gel, non-armoured			
860646618/DB	O-006-LN-8W-M06BK/20G	9.5	6@1
860646619/DB	O-012-LN-8W-M12BK/20G	9.5	6@1
860646620/DB	O-024-LN-8W-M12BK/20G	9.5	6@1
860646621/DB	O-048-LN-8W-M12BK/20G	9.5	6@1
860646622/DB	O-072-LN-8W-M12BK/20G	9.5	6@1
860646623/DB	O-096-LN-8W-M12BK/20G	10.5	8@1
860646624/DB	O-144-LN-8W-M12BK/20G	13.3	12@1

Outdoor Stranded Loose Tube, gel, non-armored, High Tensile Strength			
810009681/DB	O-006-LN-8W-M06NS/20G/HTS	11.6	6@1
810009682/DB	O-012-LN-8W-M12NS/20G/HTS	11.6	6@1
810009683/DB	O-024-LN-8W-M12NS/20G/HTS	11.6	6@1
810009684/DB	O-048-LN-8W-M12NS/20G/HTS	11.6	6@1
810009685/DB	O-072-LN-8W-M12NS/20G/HTS	11.6	6@1
810009686/DB	O-096-LN-8W-M12NS/20G/HTS	12.4	8@1
810009687/DB	O-144-LN-8W-M12NS/20G/HTS	14.8	12@1

Outdoor Stranded Loose Tube, gel, armoured			
860646602/DB	O-006-LA-8W-M06BK/20G	10.8	6@1
860646603/DB	O-012-LA-8W-M12BK/20G	10.8	6@1
860646604/DB	O-024-LA-8W-M12BK/20G	10.8	6@1
860646605/DB	O-048-LA-8W-M12BK/20G	10.8	6@1
860646606/DB	O-072-LA-8W-M12BK/20G	10.8	6@1
860646607/DB	O-096-LA-8W-M12BK/20G	12.2	8@1
860646608/DB	O-144-LA-8W-M12BK/20G	14.7	12@1

Outdoor Stranded Loose Tube, dry, non-armoured			
8107855/DB	D-004-LN-8W-M04NS	10.2	5@1
8107424/DB	D-006-LN-8W-M06NS	10.2	5@1
8107823/DB	D-008-LN-8W-M08NS	10.2	5@1
8107425/DB	D-012-LN-8W-M12NS	10.2	5@1
8107426/DB	D-024-LN-8W-M12NS	10.2	5@1
8107427/DB	D-036-LN-8W-M12NS	10.2	5@1
8107428/DB	D-048-LN-8W-M12NS	10.2	5@1
8107859/DB	D-060-LN-8W-M12NS	10.5	6@1
8107564/DB	D-072-LN-8W-M12NS	10.5	6@1
8107565/DB	D-096-LN-8W-M12NS	12	10@1
8107566/DB	D-144-LN-8W-M12NS	15.7	12@1
8108302/DB	D-192-LN-8W-M12NS	15.8	12@6
8107567/DB	D-288-LN-8W-M12NS	18.2	15@9

BACK to... Overview Outdoor Stranded Loose Tube (table diagram)

Outdoor Cable – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction
Outdoor Stranded Loose Tube, dry, non-armoured, Rollable Ribbon			
760241353	D-576-LN-RR-F12NS/8W/99H	21	6@1
760241354	D-864-LN-RR-F12NS/8W/99H	21	6@1
760239389	D-1728-LN-RR-F12NS/8W/99H	25.1	6@1

Outdoor Stranded Loose Tube, dry, armoured			
810010273/DB	D-048-LA-8W-M12NS	11.5	5@1
810010274/DB	D-096-LA-8W-M12NS	13.4	8@1
810010275/DB	D-144-LA-8W-M12NS	17.1	12@1
810010276/DB	D-288-LA-8W-M12NS	19.6	15@9

Outdoor Stranded Loose Tube, dry, armoured, Rollable Ribbon			
760241356	D-432-LA-RR-F12NS/8W/99H	18.6	6@1
760241357	D-576-LA-RR-F12NS/8W/99H	23.2	6@1
760241358	D-864-LA-RR-F12NS/8W/99H	23.2	6@1
760239858	D-1728-LA-RR-F12NS/8W/99H	26.8	6@1

ADSS Cables – Stranded Loose Tube

Part Number	Description	Outer diameter (mm)	Cable construction	Max span (m) under NESC condition (1.5% initial sag)		
				Light	Medium	Heavy
ADSS cables						
810009932/DB	S-012-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009933/DB	S-024-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009934/DB	S-036-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009935/DB	S-048-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009936/DB	S-060-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009937/DB	S-072-LN-8W-M12NS/25G/S	11.3	6@1	222	157	96
810009944/DB	S-096-LN-8W-M12NS/25G/S	12.7	8@1	219	163	103
810009939/DB	S-144-LN-8W-M12NS/25G/S	16.3	12@1	202	168	113
810009940/DB	S-216-LN-8W-M12NS/25G/S	16.5	12@6	140	116	78
810009941/DB	S-288-LN-8W-M12NS/25G/S	19.1	15@9	150	129	90

BACK to... Overview Outdoor Stranded Loose Tube (table diagram)

Blown Cable - Stranded Loose Tube (Mini Cable - Micro Duct Cable)

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range (mm)	Cable construction
Traditional Size G652D / G657A1 – 12f/tube, 250µ				
810009649/DB	B-012-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
810009650/DB	B-024-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
810009651/DB	B-036-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
810009652/DB	B-048-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
810009653/DB	B-060-LN-8W-M12NS/15G	5.1	8 <> 12	5@1
810009654/DB	B-072-LN-8W-M12NS/15G	5.3	8 <> 12	6@1
810009655/DB	B-096-LN-8W-M12NS/15G	6.5	8 <> 12	8@1
810009656/DB	B-144-LN-8W-M12NS/15G	8.4	12<> 16	12@1

Small Size G652D / G657A1 – 12f/tube, 250µ				
810010380/DB	B-012-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010381/DB	B-024-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010382/DB	B-036-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010383/DB	B-048-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010384/DB	B-060-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010385/DB	B-072-LN-8W-M12NS/13G	4.6	6 <> 10	6@1
810010386/DB	B-096-LN-8W-M12NS/13G	5.4	8 <> 12	8@1
810010387/DB	B-144-LN-8W-M12NS/13G	7.0	10<> 16	12@1

Microsheath G657.A1 – 12f/tube, 250µ				
810009898/DB	B-012-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
810009899/DB	B-024-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
810009900/DB	B-036-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
810009901/DB	B-048-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
810009902/DB	B-072-LN-8F-M12BK/14D	5.8	8 <> 12	6@1
810009903/DB	B-096-LN-8F-M12BK/14D	6.9	10<> 16	8@1
810009904/DB	B-144-LN-8F-M12BK/14D	8.6	12<> 16	12@1

BACK to... Overview Outdoor Stranded Loose Tube (table diagram)

Blown Cable - Stranded Loose Tube (Mini Cable - Micro Duct)

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range (mm)	Cable construction
Traditional Size G652D / G657A1 – 24f/tube, 200µ				
810009954/DB	B-096-LN-8W-M24NS/17T 200	6.2	8 <> 12	6@1
810010104/DB	B-144-LN-8W-M24NS/17T 200	6.2	8 <> 12	6@1
810010322/DB	B-192-LN-8W-M24NS/17T 200	7.5	10<> 16	8@1
810010354/DB	B-216-LN-8W-M24NS/17T 200	7.8	10<> 16	9@1
810010171/DB	B-288-LN-8W-M24NS/17T 200	9.5	12<> 16	12@1
Small Size G652D / G657A1 – 24f/tube, 200µ				
810010421/DB	B-024-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
810010422/DB	B-048-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
810010423/DB	B-072-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
810010424/DB	B-096-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
810010425/DB	B-144-LN-8W-M24BK/14G 200	5.1	8 <> 12	6@1
810010426/DB	B-192-LN-8W-M24BK/14G 200	5.9	8 <> 12	8@1
810010427/DB	B-216-LN-8W-M24BK/14G 200	6.4	8 <> 12	9@1
810010428/DB	B-288-LN-8W-M24BK/14G 200	7.8	10<> 16	12@1

BACK to... Overview Outdoor Stranded Loose Tube (table diagram)

ORDERING INFORMATION

Central tube, or unitube, constructions are ideal for drop cable applications, and offering a robust construction for excellent protection of fiber. The corrugated steel tape is strong, yet flexible.

Overview Outdoor Central Loose Tube

	Armored	Non-armored
Gel Filled	**O-CA:** Gel-Filled, CST Armored 	**O-CN:** Gel-Filled, Non-Armored **B-CN:** Gel-Filled, Non-Armored Blowable Micro Cable
Dry		**D-CN:** Dry, Non-Armored Cable >144 fibers available in rollable ribbon D-xxx-CN-RB: Matrix Ribbon D-xxx-CN-RR :Rollable Ribbon **C-RD:** Retractable 24f Cable for façade solutions C-024-RD-8F-M24BK-08D

Outdoor Cable – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Outer diameter (mm)
Gel filled, Non-Armoured				
810009829/DB	O-002-CN-8W-M02BK/28G/HD	G652D / G657A1	2	5.3
810010465/DB	O-004-CN-8W-M02BK/28G/HD	G652D / G657A1	4	5.3
810009998/DB	O-006-CN-8W-M02BK/28G/HD	G652D / G657A1	6	5.3
810009999/DB	O-008-CN-8W-M02BK/28G/HD	G652D / G657A1	8	5.3

Central tube, armoured				
810009832/DB	O-004-CA-8W-M04BK/GY/HD	G652D / G657.A1	4	10
810009833/DB	O-006-CA-8W-M06BK/GY/HD	G652D / G657.A1	6	10
810009834/DB	O-008-CA-8W-M08BK/GY/HD	G652D / G657.A1	8	10
810009835/DB	O-012-CA-8W-M12BK/GY/HD	G652D / G657.A1	12	10
810009836/DB	O-024-CA-8W-M24BK/GY/HD	G652D / G657.A1	24	10.5

Central Tube, Non-Armoured, Matrix Ribbon				
760213488	D-072-CN-RB-F12NS/8W/99A	Matrix Ribbon G652D	72	13.9
760213504	D-144-CN-RB-F12NS/8W/99A	Matrix Ribbon G652D	144	14.9

Central Tube, Non-Armoured, Rollable Ribbon				
810009429/DB	D-144-CN-RR-F12NS/8W/99G	Rollable Ribbon G652D	144	10
810009430/DB	D-288-CN-RR-F12NS/8W/99G	Rollable Ribbon G652D	288	12

Retractable Cable

Part Number	Description	Fiber type	Fibers	Outer diameter (mm)
Horizontal				
810009757/DB	C-024-RD-8F-M24BK-08D/D	G657.A1	24	9.2
810009758/DB	C-024-RD-8F-M24WH-08D/D	G657.A1	24	9.2

BACK to... Overview Outdoor Central Loose Tube (table diagram)

Blown Central Tube Cable - Micro Cable - Micro Duct

Part Number	Description	Outer diameter (mm)	Indicative Inner Duct diameter range
Micro Cable with G652D/ G657A1			
810010142/DB	B-002-CN-8W-M02BK/20G	2.5	3.5 <> 6
810010143/DB	B-004-CN-8W-M04BK/20G	2.5	3.5 <> 6
810010144/DB	B-006-CN-8W-M06BK/20G	2.5	3.5 <> 6
810010145/DB	B-008-CN-8W-M08BK/20G	2.5	3.5 <> 6
810010146/DB	B-012-CN-8W-M12BK/20G	2.5	3.5 <> 6
810010147/DB	B-024-CN-8W-M24BK/22G	2.5	3.5 <> 6
Micro Cable G657.A2			
810010277/DB	B-002-CN-8G-M02BK/20G	2.5	3.5 <> 6
810010278/DB	B-004-CN-8G-M04BK/20G	2.5	3.5 <> 6
810010279/DB	B-006-CN-8G-M06BK/20G	2.5	3.5 <> 6
810010280/DB	B-008-CN-8G-M08BK/20G	2.5	3.5 <> 6
810010281/DB	B-012-CN-8G-M12BK/20G	2.5	3.5 <> 6
810010196/DB	B-024-CN-8G-M24BK/22G	2.5	3.5 <> 6
Micro Cable with G652D/ G657A1			
810010116/DB	B-002-CN-8W-M02BK/30G	3.9	6 <> 10
810010117/DB	B-004-CN-8W-M04BK/30G	3.9	6 <> 10
810010118/DB	B-006-CN-8W-M06BK/30G	3.9	6 <> 10
810010119/DB	B-008-CN-8W-M08BK/30G	3.9	6 <> 10
810010120/DB	B-012-CN-8W-M12BK/30G	3.9	6 <> 10
810010121/DB	B-024-CN-8W-M24BK/30G	3.9	6 <> 10
Micro Cable G657.A2			
810010282/DB	B-002-CN-8G-M02BK/30G	3.9	6 <> 10
810010283/DB	B-004-CN-8G-M04BK/30G	3.9	6 <> 10
810010284/DB	B-006-CN-8G-M06BK/30G	3.9	6 <> 10
810010285/DB	B-008-CN-8G-M08BK/30G	3.9	6 <> 10
810010286/DB	B-012-CN-8G-M12BK/30G	3.9	6 <> 10
810010287/DB	B-024-CN-8G-M24BK/30G	3.9	6 <> 10

BACK to... Overview Outdoor Central Loose Tube (table diagram)

Indoor/Outdoor Cables

Indoor/Outdoor cables are designed to be used both outdoors and enter buildings without the need of any transition point or additional splicing, with CPR EuroClass listing.

Similar cable constructions are available as for outdoor-only applications:

- Stranded Loose tube
- Central tube

The indoor/outdoor portfolio also includes tight buffered 900µ distribution cable constructions.

Indoor/Outdoor Cables – Stranded Loose Tube

ORDERING INFORMATION

CommScope Indoor/Outdoor Stranded Loose Tube cable is available in a number of constructions. The tubes can be gel-filled or dry depending on customer needs. Some versions can be CST or GRP armored as mentioned below.

The microsheath cable is a dry, dielectric construction. For a robust cable which provides a higher tensile performance and rodent protection, the high tensile strength cables are available.

All Indoor/Outdoor cables are typically referred to as "C-" or "Z-" cables. C-Cables have an LSZH jacket and are CPR rated, which means that they can be used within the European market space. Z-Cables also have an LSZH jacket but have only been qualified for riser applications (UL1666) and thus can only be used in markets where CPR ratings are not required, like MEA..

Overview Indoor/Outdoor Stranded Loose Tube

	Armored	Non-armored
Gel Filled	**C-LA/..G:** Gel-filled, CST armored Cable	**C-LN/..G:** Gel-Filled, Non-Armored Cable
	Special construction	**Special constructions**
	C-LA/..G/GRP: Gel-Filled, GRP armored Cable	**C-LN/..G/HTS:** High tensile strength construction

Dry	**Z-LA:** Dry CST Armored Cable	**C-LN:** Dry Non-Armored Cable
		C-LN/ … /14D: Microsheath Cable

Indoor/Outdoor Cables – Stranded Loose Tube

Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Stranded Loose Tube, gel, non-armoured				
810009759/DB	C-002-LN-8W-M02BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
810009760/DB	C-004-LN-8W-M04BK/20G/D	6@1	11.1	Dca,s1a,d0,a1
810009666/DB	C-006-LN-8W-M06BK/20G/D	6@1	11	Dca,s1a,d0,a1
810009667/DB	C-012-LN-8W-M12BK/20G/D	6@1	11	Dca,s1a,d0,a1
810009668/DB	C-024-LN-8W M12BK/20G/E	6@1	11	Eca
810009669/DB	C-048-LN-8W M12BK/20G/E	6@1	11	Eca
810009670/DB	C-072-LN-8W M12BK/20G/E	6@1	11	Eca
810009671/DB	C-096-LN-8W M12BK/20G/E	12@1	14.7	Eca
810009672/DB	C-144-LN-8W M12BK/20G/E	12@1	14.7	Eca

Indoor/ Outdoor Stranded Loose Tube, gel, non-armored, High Tensile Strength				
810009761/DB	C-002-LN-8W-M02BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009762/DB	C-004-LN-8W-M04BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009763/DB	C-006-LN-8W-M06BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009764/DB	C-008-LN-8W-M08BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009765/DB	C-012-LN-8W-M12BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009766/DB	C-024-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s2,d0,a1
810009767/DB	C-036-LN-8W-M12BK/20G/HTS/D	6@1	12.8	Dca,s2,d0,a1
810009768/DB	C-048-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s3,d0,a1
810009769/DB	C-072-LN-8W-M12BK/20G/HTS/D	6@1	13.6	Dca,s3,d0,a1
810009770/DB	C-096-LN-8W-M12BK/20G/HTS/D	8@1	13.6	Dca,s3,d0,a1
810009771/DB	C-144-LN-8W-M12BK/20G/HTS/D	12@1	16.1	Dca,S2,do,a1

Indoor/Outdoor Stranded Loose Tube, gel, CST armoured				
810009658/DB	C-006-LA-8W-M06BK/20G/B	6@1	12.3	B2ca,s1a,d0,a1
810009659/DB	C-012-LA-8W-M06BK/20G/B	6@1	12.3	B2ca,s1a,d0,a1
810009660/DB	C-024-LA-8W-M12BK/20G/C	6@1	12.4	Cca,s2,d2,a1
810009772/DB	C-036-LA-8W-M12BK/20G/C	6@1	12.4	Cca,s2,d2,a1
810009661/DB	C-048-LA-8W-M12BK/20G/C	6@1	12.3	Cca,s2,d2,a1
810009662/DB	C-072-LA-8W-M12BK/20G/C	6@1	12.3	Cca,s2,d2,a1
810009663/DB	C-096-LA-8W-M12BK/20G/C	12@1	16.1	Cca,s2,d2,a1
810009664/DB	C-144-LA-8W-M12BK/20G/C	12@1	16.1	Cca,s2,d2,a1

Ind./Outd. Stranded Loose Tube, Gel, GRP armoured				
760255361	C-024-LA-8W-M12BK/20G/GRP/D	4@1	12.4	Dca,s2,d2,a1
760255362	C-048-LA-8W-M12BK/20G/GRP/D	4@1	12.4	Dca,s2,d2,a1
760255363	C-072-LA-8W-M12BK/20G/GRP/D	6@1	14.5	Dca,s2,d2,a1
760255364	C-096-LA-8W-M12BK/20G/GRP/D	8@1	15.7	Dca,s2,d2,a1

BACK to... Overview Indoor/Outdoor Stranded Loose Tube (table diagram)

Indoor/Outdoor Cables – Stranded Loose Tube

Part Number	Description	Cable Construction	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Stranded Loose Tube, dry, non-armoured				
810010034/DB	C-012-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010033/DB	C-024-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010032/DB	C-036-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010031/DB	C-048-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010030/DB	C-060-LN-8W-M12BK/25D/E	5@1	11.7	Eca
810010029/DB	C-072-LN-8W-M12BK/25D/E	6@1	12	Eca
810010028/DB	C-096-LN-8W-M12BK/25D/E	8@1	13.6	Eca
810010027/DB	C-144-LN-8W-M12BK/25D/E	12@1	17.3	Eca

Ind./Outd. Stranded Loose Tube, Dry, non-Armoured, Microsheath				
810010333/DB	C-012-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
810010334/DB	C-024-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
810010335/DB	C-048-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
810010336/DB	C-072-LN-8F-M12BK/14D/D	6@1	6.1	Dca,s1a,d2,a1
810010337/DB	C-096-LN-8F-M12BK/14D/D	8@1	6.8	Dca,s1a,d2,a1
810010338/DB	C-144-LN-8F-M12BK/14D/D	12@1	8.6	Dca,s1a,d2,a1

Ind./Outd. Stranded Loose Tube, Dry, Armoured (for MEA only)				
810009782/DB	Z-006-LA-8W-M06BK/25D	5@1	13	No CPR rating
810009783/DB	Z-012-LA-8W-M12BK/25D	5@1	13	No CPR rating
810009784/DB	Z-024-LA-8W-M12BK/25D	5@1	13	No CPR rating
810009785/DB	Z-036-LA-8W-M12BK/25D	5@1	13	No CPR rating
810009786/DB	Z-048-LA-8W-M12BK/25D	5@1	13	No CPR rating
810009787/DB	Z-072-LA-8W-M12BK/25D	6@1	13.4	No CPR rating
810009788/DB	Z-144-LA-8W-M12BK/25D	8@1	18.7	No CPR rating

BACK to... Overview Indoor/Outdoor Stranded Loose Tube (table diagram)

ORDERING INFORMATION

The CommScope LSZH All-Dielectric Indoor/Outdoor cables are designed to deliver the performance required for installation in indoor and outside plant environments. The central tube design, utilizing flexible radial strength elements, provides an optimum solution for point-to-point connectivity where a small and flexible cable is desired. This cable is suitable for direct burial or aerial lashed applications in the outside plant environment. The cable can also be installed in indoor environments where local CPR requirements allow.

Overview Indoor/Outdoor Central Loose Tube

	Armored	Non-armored
Gel Filled	**C-CA:** Gel filled, CST armored 	**C-CN../..G:** Gel filled, non-armored
	C-CA/ .. GRP: Indoor/Outdoor Central Tube, gel, GRP-armored 	
Dry		**C-CN:** Dry, Non-Armored Cable
		Z-CN-RR: High Fiber count Rollable Ribbon Cables

Indoor/Outdoor Cables – Central Loose Tube

Part Number	Description	Fiber type	Fibers	Reinforcement	Outer diameter (mm)	CPR rating
Ind./Outd. Central Loose Tube, Dry, non-Armoured						
760254734	C-004-CN-8W-M04BK/28D/GY/D	G652D/ G657.A1	4	Glass Yarns	6.4	Dca,s2,d2,a1
810010221/DB	C-012-CN-8W-M12BK/28D/GY/D	G652D/ G657.A1	12	Glass Yarns	6.4	Dca, s2, d2, a1
810010215/DB	C-006-CN-8W-M06BK/28D/AY/D	G652D/ G657.A1	6	Aramid Yarns	6.4	Dca, s2, d2, a1
810010218/DB	C-008-CN-8W-M08BK/28D/AY/D	G652D/ G657.A1	8	Aramid Yarns	6.4	Dca, s2, d2, a1
810010216/DB	C-012-CN-8W-M12BK/28D/AY/D	G652D/ G657.A1	12	Aramid Yarns	6.4	Dca, s2, d2, a1

Ind./Outd. Central Tube, Dry, non-Armoured, Rollable Ribbon						
760245231	Z-192-CN-RR-F12BK/8G1/99G/C	G657.A2	16*12	Glass Strenght elements	12.5	Eca
760246294	Z-576-CN-RR-F12BK/8G1/99G/C	G657.A2	48*12	Glass Strenght elements	17.0	Cca,s1a,d0,a1
760241349	Z-864-CN-RR-F12BK/8W/99G/C	G657.A2	72*12	Glass Strenght elements	19.5	Cca,s1a,d0,a1

Ind./Outd. Central Loose Tube, Gel filled, non armoured						
810010219/DB	C-004-CN-8W-M04BK/28G/GY/E	G652D/ G657.A1	4	Glass Yarns	6.4	Eca
810010222/DB	C-012-CN-8W-M12BK/28G/GY/E	G652D/ G657.A1	12	Glass Yarns	6.4	Eca
810010225/DB	C-024-CN-8W-M24BK/40G/GY/D	G652D/ G657.A1	24	Glass Yarns	8	Dca, s2,d2, a1

Ind./Outd. Central Loose Tube, Gel filled, CST armoured						
810009866/DB	C-004-CA-8W-M04BK/28G/GY	G652D/ G657.A1	4	Glass Yarns	10	Not CPR rated, MEA use only
810009867/DB	C-008-CA-8W-M08BK/28G/GY	G652D/ G657.A1	8	Glass Yarns	10	Not CPR rated, MEA use only
810009868/DB	C-012-CA-8W-M12BK/28G/GY	G652D/ G657.A1	12	Glass Yarns	10	Not CPR rated, MEA use only
810009869/DB	C-024-CA-8W-M24BK/40G/GY	G652D/ G657.A1	24	Glass Yarns	12.7	Not CPR rated, MEA use only

Ind./Outd. Central Loose Tube, Gel filled, GRP armoured						
810009841/DB	C-004-CA-8W-M04YL/28G/GRP/D	G652D/ G657.A1	4	GRP	9.0	Dca,s2,d2,a1
810009842/DB	C-006-CA-8W-M06YL/28G/GRP/D	G652D/ G657.A1	6	GRP	9.0	Dca,s2,d2,a1
810010213/DB	C-008-CA-8W-M08BK/28G/GRP/D	G652D/ G657.A1	8	GRP	9.0	Dca, s2, d2, a1
810010214/DB	C-016-CA-8W-M16BK/40G/GRP/E	G652D/ G657.A1	16	GRP	11.0	Eca
810009879/DB	C-024-CA-8W-M24BK/40G/GRP/E	G652D/ G657.A1	24	GRP	11.0	Eca

BACK to... Overview Indoor/Outdoor Central Loose Tube (table diagram)

ORDERING INFORMATION

CommScope also has Indoor/Outdoor distribution cable in its portfolio. The inner fibers are 900µ tight buffer tube.

Overview Indoor/Outdoor tight buffered distribution

	Armored	Non-armored
Gel Filled		
Dry		**C-DS:** Distribution cable with 900µ

Part Number	Description	Fiber type	Fibers	Buffer size	Outer cable diameter (mm)	CPR rating
Indoor/Outdoor Central Loose Tube, gel, armored						
810010233/DB	C-002-DS-8W-MSUBK/GY/B	G652D/ G657.A1	2	900µ tight	5.2	B2ca, s1a, d1, a1
810010234/DB	C-006-DS-8W-MSUBK/GY/C	G652D/ G657.A1	6	900µ tight	6.4	Cca, s2, d1, a1
810010235/DB	C-012-DS-8W-MSUBK/GY/C	G652D/ G657.A1	12	900µ tight	8.0	Cca, s2, d1, a1
810010236/DB	C-024-DS-8W-MSUBK/GY/C	G652D/ G657.A1	24	900µ tight	9.5	Cca, s2, d1, a1

Indoor Cables

ORDERING INFORMATION

The cables detailed below are a small selection of a vast range of available indoor cables which may be positioned for Service Providers or Central Office applications. Please do not hesitate to reach out to your sales contact for other options.

Three cable constructions were selected:

- Indoor, 900µ tight buffer distribution cables
- LSZH MPO Trunk Cable with 12 subunits
- Gel-Free, Indoor Microsheath tube cable

VIEW BROCHURE

Overview Indoor Cable for Service Providers/Central Office

900µ distribution Cable	MPO Trunk Cable with 12f subunits	Microsheath cable
N-DS: Distribution Cable	N-MP: LSZH MPO Trunk Cable	
N-004…024-DS (Up to 24f individual 900µ single fiber units)	**N-012-MP:** Single Unit Cable of 12 fiber subunit 250µ	**L-LN/.../15D:** Single Jacket All-Dielectric, Gel-Free, Indoor Microsheath Tube Cable
N-048…072-DS (Up to 72f bundled in subunits of 12 900µ fibers)	**N-024…144-MP:** Multi-unit fiber cables with 250µ fiber subunits	

Indoor Cables

Part Number	Description	250µ /900µ	Buffer tube/ Subunit Diam	Cable construction	Outer cable diameter (mm)	CPR rating
Indoor 900µ distribution cable, dry						
810009796/DB	N-004-DS-8W-MSUYL/B2	900µ	NA	Single Unit	4.8	B2ca,s1a,d1,a1
810009955/DB	N-012-DS-8W-MSUYL/B2	900µ	NA	Single Unit	6.1	B2ca,s1a,d1,a1
810009798/DB	N-024-DS-8W-MSUYL/B2	900µ	NA	Single Unit	8.8	B2ca,s1a,d1,a1
810009799/DB	N-048-DS-8W-MMUYL/C	900µ	6.1	4@1	16.2	Cca,s1b,d1,a1
810009800/DB	N-072-DS-8W-MMUYL/C	900µ	6.1	6@1	20.0	Not CPR rated, MEA use only

Indoor MP cable, dry						
810009801/DB	N-012-MP-8G-M12YL/D	250µ	3.0	MP	5.4	Dca,s1a,d1,a1
810009802/DB	N-024-MP-8G-M12YL/D	250µ	3.0	MP	5.2 X 8.2	Dca,s1a,d1,a1
810009803/DB	N-048-MP-8G-M12YL/D	250µ	3.0	MP	9.2	Dca, s2, d1, a1
810009804/DB	N-072-MP-8G-M12YL/D	250µ	3.0	MP	10.75	Dca,s1a,d1,a1
810009805/DB	N-096-MP-8G-M12YL/D	250µ	3.0	MP	12.45	Dca,s1a,d1,a1
810009806/DB	N-144-MP-8G-M12YL/D	250µ	3.0	MP	14.2	Dca,s1a,d1,a1

Indoor Loose Tube, dry, Microsheath						
810010177/DB	L-012-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
810010178/DB	L-024-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
810010179/DB	L-048-LN-8W-M12YL/15D/B	250µ	1.5	5@1	6.7	B2ca,s1a,d0,a1
810010180/DB	L-072-LN-8W-M12YL/15D/B	250µ	1.5	6@1	7.2	B2ca,s1a,d0,a1
810010181/DB	L-096-LN-8W-M12YL/15D/B	250µ	1.5	8@1	8.7	B2ca,s1a,d0,a1
810010182/DB	L-144-LN-8W-M12YL/15D/B	250µ	1.5	12@1	10.7	B2ca,s1a,d0,a1

BACK to... Overview Indoor Cable for Service Providers – Central Office (table diagram)

Fiber Cable Color Chart

OPTICAL FIBER COLOR CODE - TIA/EIA 598	
Fiber 1	Blue
Fiber 2	Orange
Fiber 3	Green
Fiber 4	Brown
Fiber 5	Slate
Fiber 6	White
Fiber 7	Red
Fiber 8	Black
Fiber 9	Yellow
Fiber 10	Violet
Fiber 11	Rose
Fiber 12	Aqua

For other color options contact your sales representative. For fibers 13 to 24, same color set is used, but dashed. For fiber 20, natural color (dashed) is used (replacing black dashed).

FIBER CABLE JACKET COLOR CODE				
Application	Fiber Type	Jacket Color		
Indoor	Singlemode LightScope ZWP	Yellow		
Indoor/Outdoor - with UV protection	All	Black		
Outdoor (OSP) - with UV protection	All	Black		

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We stand by our performance and provide certified fiber cable test results. Each fiber reel is tested before leaving a CommScope factory. You can view fiber performance test results online with our WebTrak tool. Enter the serial number printed on the cable jacket along with the footage/meter reference to access the data. The WebTrak® tool is available online or cTrak® as a mobile app.

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